

Appl. No. 10/056,096
Req. for Reconsideration dated May 10, 2006
Reply to Office Action of March 30, 2006

REMARKS

This application has been reviewed in light of the Action mailed on October 27, 2005. Claims 1 to 8 are currently pending in the present application. By the present amendment, claim 1 has been amended. No new matter or issues are believed to be introduced by the amendments. Reconsideration of the present application, as amended, under 37 C.F.R. 1.116 is respectfully requested.

In the Action, claims 1 to 8 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Specifically, the Action states that the clause "have a Q radiating element less than 1" is not supported by the original specification and might raise an issue of enablement. Claim 1 no longer claims the cited limitation.

Claims 1 to 8 further stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement in that the claims contain subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, had possession of the claimed invention.

Claim 1 now recites:

1. (Currently Amended) A wireless terminal comprising a ground conductor housing and a transceiver housed by said ground conductor housing and coupled to an antenna feed,

wherein the antenna feed is coupled directly to the ground conductor housing via a parallel plate capacitor formed by a conducting plate and a portion of the ground conductor housing, said plate being sized to provide a resultant capacitance of about 0.5pF,

wherein said portion of the ground conductor housing acts as a wideband

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radiator, eliminating the need for a separate antenna,

wherein a slot, partially located underneath the conducting plate, is provided in the ground conductor housing such that said coupling occurs across the slot substantially at its open end, thereby increasing the resistance of the ground conductor housing, and

wherein the wireless terminal comprises a single port and a single ground plane.

Claim 1 has been amended to claim a capacitor plate being sized to provide a resultant capacitance of about 0.5pF. Support for this amendment can be found in the specification in paragraph [0034] which states:

A handset 502 has dimensions of 10 x 40 x 100 mm, typical of modern cellular handsets. A parallel plate capacitor 504, having dimensions 2 x 10 x 10 mm, is formed by mounting a 10 x 10 mm plate 506 2 mm above the top edge 508 of the handset 502, in the position normally occupied by a much larger antenna. The resultant capacitance is about 0.5 pF, representing a compromise between capacitance (which would be increased by reducing the separation of the handset 502 and plate 506) and coupling effectiveness (which depends on the separation of the handset 502 and plate 506). The capacitor is fed via a support 510, which is insulated from the handset case 502.

Claim 1 has additionally been amended to claim that the claimed portion of the ground conductor housing acts as a wideband radiator, eliminating the need for a separate antenna. Support for this amendment can be found in the Abstract of the present application, in paragraph [0034], referenced above, and in paragraph [0038].

Claim 1 has further been amended to claim that the slot increases the resistance of the ground conductor housing. Support for this amendment can be found in the Abstract,

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and in paragraphs [0037] and [0038].

Applicants assert that claim 1 and claims 2 to 8, which depend directly or indirectly therefrom now properly comply with the written description requirement. Reconsideration and withdrawal of the rejections under 35 U.S.C. § 112, first paragraph is respectfully requested.

Conclusion

In view of the foregoing, Applicants respectfully submit that the specification, the drawings and all claims presented in this application are currently in condition for allowance. Accordingly, Applicants respectfully request favorable consideration and that this application be passed to allowance.

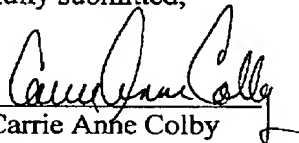
Applicants' representative believes that this response is being filed in a timely manner. In the event that any extension and/or fee is required for the entry of this amendment the Commissioner is hereby authorized to charge said fee to Deposit Account No. 14-1270. An early and favorable action on the merits is earnestly solicited.

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If the Examiner should have any questions concerning this communication or feels that an interview would be helpful, the Examiner is requested to call David Barnes, Esq., Intellectual Property Counsel, Philips North America Corporation at the number below.

Respectfully submitted,

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